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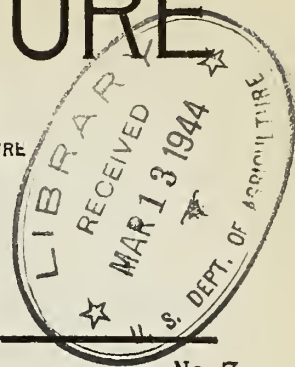
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COTTON LITERATURE

SELECTED REFERENCES

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COTTON LITERATURE is compiled mainly from material received in the Library of the U. S. Department of Agriculture.

Copies of the publications listed herein can not be supplied by the Department except in the case of publications expressly designated as issued by the U. S. Department of Agriculture. Books, pamphlets, and periodicals mentioned may ordinarily be obtained from their respective publishers or from the Secretary of the issuing organization. Many of them are available for consultation in public or other libraries.

PRODUCTIONBotany

Doak, C. C. A new technique in cotton hybridizing. Jour. Heredity 25(5): 201-204, illus. May 1934. (Published at Victor Bldg., Washington, D. C.)

Suggested changes in existing methods of emasculating and bagging cotton flowers.

Moreau, A. P. Action de la chaleur et de différents traitements chimiques sur la faculté germinative des graines de cotonnier. Coton et Culture Cotonnière 8(3): 167-170. Dec. 1933. (Published at 34, Rue Hamelin, Paris, France)

Action of heat and of different chemical treatments on the germinative power of cottonseed.

Agronomy

Cotton, J.R., and Brown, H.B. Cotton spacing in southern Louisiana in relation to certain plant characters. La. Agr. Expt. Sta. Bull. 246, 35pp., illus. Baton Rouge. 1934.

"References cited": pp.34-35.

Following are some of the conclusions reached: "The size of the boll increases regularly as the spacing is widened. Boll rot is somewhat more prevalent in the closely-spaced plats than in the wide spaced. The spacing distances used seemed to have no effect on lint percentage. Under some conditions, close spacing appears to shorten the staple length. Unthinned cotton (about 59,000 plants to the acre) gave the lowest yields on both bench and alluvial lands. A spacing of 2 stalks, 20 inches apart, in 4 foot rows, gave best yields on both types of soil used but the differences between the yields of the spaced plats were not significant."

Gold Coast (Colony) Department of agriculture. Report for the year 1932-33. 18pp. Accra, 1933. Cotton trials, pp.7-8.

Heim de Balsac, and Miège, E. Essais cotonniers au Maroc. Culture étude technologique. Coton et Culture Cotonnière 8 (3): 147-166. Dec.1933. (Published at 34, Rue Hamelin, Paris, France)

Tests on cotton plants in Morocco. Technological culture study.

Leding, A.R., and Lytton, L.R. Cotton spacing experiments in the Mesilla valley, New Mexico. N. Mex. Agr.Expt.Sta.Bull. 219, 38pp. State College. 1934.

Nigeria. Dept. of agriculture. Tenth annual bulletin ...1931. 223pp., tables, charts. Lagos, Govt. printer [1931?]

The Ishan cotton plant under mixed cultivation--III, by E.H.G.Smith, pp. 52-60. Literature cited, p.58.

Manuring, pp.107,121.

Strain and variety tests, pp.110-111,125,130-131,150-151,167-168,199-200,208-209,216.

Diseases

Ezekiel, W.N., and Taubenhaus, J.J. Comparing soil fungicides with special reference to *Phymatotrichum* root rot. Science 79(2061): 595-596. June 29, 1934. (Published by Science Press, Grand Central Terminal, New York, N.Y.)

"Contribution No.286, Technical Series, of the Texas Agricultural Experiment Station."

"Pentachlorethane, tetrachlorethane and xylene were most effective in laboratory tests of ability of volatile materials to kill the root-rot fungus *Phymatotrichum omnivorum*, and to penetrate moist soil and inhibit growth of the fungus. In a preliminary field test, tetrachlorethane placed in the soil at a depth of only 6 inches killed the fungus on cotton roots to depths of at least 2 feet."-Summary.

King, C.J., Hope, C., and Eaton, E.D. Further observations on the natural distribution of the cotton root rot fungus. Phytopath. 24(5): 551-553, illus. May 1934. (Published at Lime and Green Sts., Lancaster, Pa.)

Miles, L.E. Verticillium wilt of cotton in Greece. Phytopath. 24(5): 558-559. May, 1934. (Published at Lime and Green Sts. Lancaster, Pa.)

Bibliographical foot notes.

Neal, D.C., and Wester, R.E. An undescribed sclerotium fungus prevalent in northeast Texas. Phytopath. 24(5): 528-533, illus. May, 1934. (Published at Lime and Green Sts., Lancaster, Pa.)

Ozonium texanum on cotton.

Insects

'Iraq. Department of agriculture. The spotted cotton boll worm (*Earias insulana*) Agr. Leaflet 25, 5-

[10]pp. Baghdad. 1932.

Life-history and methods of control are given.

"Regulation Prohibiting the growing of Ratoon Cotton No. 7 of 1931," - p.5.

Texas tests point a new path in battle with the boll weevil. Okla. Farmer-Stockman 47(12): 288. June 15, 1934. (Published at Oklahoma City, Okla.)

"The Texas experiment station has recently completed a very careful investigation of the methods and mechanics of poisoning boll weevil." The method is described.

Thurberia weevil threat to cotton. Cotton Digest 6 (34): 11-12. June 2, 1934. (Published at 703 Cotton Exchange Bldg., Houston, Tex.)

PREPARATION

Ginning

Hardwicke-Etter announces a new huller cleaner feeder-by-pass type. Cotton and Cotton Oil News 35(24): 12-13. June 16, 1934. (Published at Dallas, Tex.)

Also in Amer. Ginner and Cotton Oil Miller 11 (10): 13-14, illus. June 1934.

Korzhleniovskii, G.A. Ispol'zovanie otkhodov ochistki khlopka. Bumazhnaia Promyshlennost, 12(2-3): 42-44, illus. Feb.-Mar. 1933. (Published at Moskva, U.S.S.R.)

Utilization of waste in ginning cotton.

A discussion - Chem. Abs. 27(13): 3339. July 10, 1933.

Thompson, J. C. The ginner under the Bankhead bill. Cotton Ginners' Jour. 5(9): 3-4, table. June, 1934. (Published by Texas Cotton Ginners' Association, 109 Second Ave., Dallas, Tex.)

The author explains the ginners' responsibilities under the Bankhead act.

Vantine, J.T. Accuracy of the percentage of lint cotton determined on small laboratory gins. Jour. Amer. Soc. Agron. 26(6): 531-533. June 1934. (Published at Geneva, N.Y.)

Wood & company, A.A. Announce new duplex rotary filer-gummer. Amer. Ginner and Cotton Oil Miller 11(10): 12, illus. June 1934. (Published at 14 Cotton Exchange Bldg., Little Rock, Ark.)

MARKETING

General

Berlin. Institut für konjunkturforschung. Konjunktur-

statistisches handbuch 1933. 284pp., tables. Berlin, Reimar Hobbing, 1933.

Cotton industry, pp.301-307. Gives statistics of production, trade, and price of raw cotton, yarn and cloth.

[Sanders, J.T.] Consider Bankhead bill temporary. Okla. Cotton Grower 13(16): 6. June 15, 1934. (Published by Oklahoma Cotton Growers' Association, Oklahoma City, Okla.)

Summary of address at fourteenth annual convention of the Oklahoma Cotton Growers' Association, May 28, 1934.

The speaker believes that cotton prosperity depends on general business recovery. The present situation is reviewed.

Demand and Competition

Amory, Robert. Textile cost accounting. Development in cotton industry - average number cost system - early methods absolutely sound - modern system's advantages and disadvantages - only two reasons for costs. Amer. Wool and Cotton Rptr. 48(21): 23-24, 39-41. May 24, 1934. (Published by Frank P. Bennett & Co., 530 Atlantic Ave., Boston, Mass.)

Address delivered at the meeting on May 16, 1934, of the Boston chapter, National Association of Cost Accountants.

[Anderson, W.D.] Anderson favors higher wage differentials for South. Textile Bull. 46(17): 3-4, 25. June 21, 1934. (Published by Clark Publishing Co., 118 West Fourth St., Charlotte, N. C.)

Extracts from address at convention of Southern Garment Manufacturers' Association at Atlanta.

Cotton manufacture; a crisis in the industry. World Today 1(5): 43. June 1934. (Published by the Encyclopaedia Britannica, Inc., 342 Madison Ave., New York, N.Y.)

Lancashire's cotton trade "is now reduced to less than one third of what it was in 1913, the last normal year before the war...One third of Lancashire's loss of prosperity is due to the rapid rise of manufacturing in Japan."

Fong, H.D. China's factory act and the cotton industry. Mo. Bull. on Econ. China 7(3): 93-104. Mar. 1934. (Published by Nankai Institute of Economics, Nankai University, Tientsin, China)

"The existence of the extraterritoriality and

the revision of the Land Regulations for the International Settlement in Shanghai are the chief obstacles towards the enforcement of the factory act, and must be first done away with before the act can be uniformly, equally, and justly applied to the cotton mills in China."

Georgia cotton manufacturers. Amer. Wool and Cotton Rptr. 48(21): 25-26, 41-42. May 24, 1934. (Published by Frank P. Bennett & Co., Atlantic Ave., Boston, Mass.)

Address of President L.L. Jones at annual convention of Cotton Manufacturers Association of Georgia, May 18-19, 1934.

Problems of Georgia mills under NRA are discussed.

Gossett, B.B. Labor unions. Some plain speaking on a "loaded" subject. Textile World 84(7): 1240. June 1934. (Published by McGraw-Hill Publishing Co., Inc., 330 West 42d St., New York, N.Y.)

Extracts from an address before the Great Council of the Improved Order of Red Men of the State of South Carolina.

How cotton textile industry views strike settlement. Textile World 84(7): 1238. June 1934. (Published by McGraw-Hill Publishing Co., Inc., 330 West 42d St., New York, N.Y.)

Gives text of settlement of the "strike threatened by the United Textile Workers and averted after a conference at NRA headquarters in Washington June 1 and 2, 1934."

[Imperial economic committee] Parities between fibres. Textile Manfr. 60(710): 44, table. Feb. 1934. (Published by Emmott and Co., Ltd., 31, King St., West, Manchester, England)

"The table shows the relation between the index price of yarn (1926-1928=100) of 2/48s averages 64 quality wool in oil, cotton 32s twist American, viscose rayon, average price of 75 denier 18 filament rayon warp beam and 150 denier 21 filament weft pirn."

Mexico. Secretaria de hacienda y credito publico. Direccion general de ingresos. Oficina de impuestos especiales. Seccion de hilados y tejidos. Estadistica del ramo de hilados, tejidos y boneteria de algodón, de lana y algodón, de artisela y seda correspondiente al semestre de lo. de Mayo al 31 de Octubre de 1933. 28pp., tables, mimeogr. Mexico, [1933]

Statistics of the spinning, weaving and manufacture of cotton, wool and cotton, artificial silk

and silk, for the period May 1 to October 31, 1933.

Niemeyer, A. The world textile industry. A critical survey. Textile Recorder 52(614): 20-21. May 15, 1934. (Published at 121 Deansgate, Manchester, England)

Discusses the textile trade as a whole. Includes statements as to production of cotton, wool and rayon.

One hundred years of textiles. Manchester Guardian Com. (Sup.) 3-20. May 5, 1934. (Published at Manchester, England)

Includes the following articles: Will history repeat itself? By Sir Francis Joseph, p.3; Lancashire in prosperity and adversity, pp.4-5.

A programme for cotton. The industry in perspective. Textile Weekly 13(319): 167-168. Apr. 13, 1934. (Published at 49 Deansgate, Manchester, England)

To be continued.

The situation in the Lancashire cotton industry is discussed.

Ramachandra Rao, B. Future of the Indian cotton mill industry. Mysore Econ. Jour. 20(5): 260-263. May, 1934. (Published at 19, Gundopunt Bldgs., Siddicutta, Bangalore City, India)

Rayon and synthetic yarn handbook; a practical reference book for the rayon yarn producer, technician, processor...economist and student. Edited and comp. by Dr. E. W. K. Schwarz...and Herbert R. Mauersberger...in cooperation with many authorities, producers and collaborators. First edition. 420 pp., illus. New York, Rayon publishing company [1934]

Rayon takes decision in battle of the textile fibers. International statistical bureau inc., seminar at Waldorf-Astoria develops facts to show rayon revolution in textiles now in progress. Rayon and Melliand Textile Mo. 15(6): 278-279. June 1934. (Published by Rayon Publishing Corporation, 303 Fifth Ave., New York, N. Y.)

Quotes from address given by A. W. Zelomek, who presided at the meeting.

Rowland, F. H. Securing the advantages and minimizing the hazards of a uniform cost method. Textile World 84(7): 1263. June 1934. (Published by McGraw-Hill Publishing Co., Inc., 330 West 42d St., New York, N. Y.)

Textile competition in East Africa. Japanese monopoly

bid succeeding. Lancashire's heavy losses. Textile Mercury and Argus 90(2353): 338. Apr. 20, 1934. (Published at 41 Spring Gardens, Manchester, England)

"In 1933 Japan supplied the important markets of Kenya and Uganda with more than $36\frac{1}{2}$ million square yards of cotton-piece goods, or more than seven times the quantity supplied by the United Kingdom," according to the British Department of Overseas Trade.

Supply and Movement

Encouraging Indian cotton. Educative work among the natives. Textile Weekly 13(327): 384, illus., tables. June 8, 1934. (Published at 49 Deansgate, Manchester, England)

Illustrations show posters designed to encourage pure strain cotton cultivation among the natives. The table gives the final estimate of the cotton crop of India for 1933-34.

Fontanier, Henry. La production du coton en Afrique. Revue Agricole [Guadeloupe] 7(1): 16-17. Jan. 1934. (Published by the Service de l'Agriculture, Basse-Terre, Guadeloupe)

Extract from Les Annales Coloniales, Oct. 19, 1933. Production of cotton in Africa.

India. Central provinces and Berar. Department of agriculture. Report on demonstration work carried out in the Eastern Circle...for the year ending 31st March 1933. 49pp. Nagpur, 1934.

Occasional brief mention of cotton acreage, etc.

India. Central provinces and Berar. Department of agriculture. Report on demonstration work carried out in the Northern Circle...for the year ending 31st March 1933. 69pp. Nagpur, 1934.

Brief cotton statistics in various reports.

Jardine, W.M. Agriculture in the valley of the Nile. Kans.State Bd. Agr. [Quart.] Rpt.53(209): 19-27. Mar. 1934. (Published at Topeka, Kans.)

Cotton, p.23.

McWhorter, C.C. Quality of cotton produced in Oklahoma, 1933-34 season. Current Farm Econ.(ser.49) 7(3): 41-43, chart, table. June 1934. (Published by Oklahoma Agricultural Experiment Station, Stillwater, Okla.)

[Norris, P.K.] Cotton production in the Anglo-Egyptian Sudan. Foreign Crops and Markets 28(23): 606-608. June 4, 1934. (Published by Bureau of Agricultural

Economics, U.S. Department of Agriculture, Washington, D. C.)

Excerpts from a report which "will be ready for distribution soon as F.S.-61, bearing the same title."

[Palmer, A.W.] Quality of the American crop explained. Cotton Trade Jour. 14(24): 2-3. June 16, 1934. (Published at New Orleans, La.)

A radio interview between Arthur W. Palmer, Bureau of Agricultural Economics and Frank Teuton, Radio Service, delivered in the Department of Agriculture period, National Farm and Home Hour.

Possibilidades para o algodao brasileiro. Boletim Agricultura, Zootecnia, e Veterinaria [Minas-Geraes] 7(1): 13-15. Jan. 1934. (Published by Secretaria da Agricultura, Minas-Geraes, Brazil)

Possibilities for cotton in Brazil.

South American cotton crops. Manchester Guardian Com. 28(725): 394. May 12, 1934. (Published at Manchester, England)

Reports quantity of cotton produced in Argentina, 1932/33, and states that Chile is now raising cotton for her own needs.

Walton, T. O. Trends in agriculture. Cotton Digest 6(34): 5-7. June 2, 1934. (Published by Cotton Digest Publishing Co., 703 Cotton Exchange Bldg., Houston, Tex.)

The author discusses the situation in cotton production.

Also in Cotton and Cotton Oil News 35(23): 3-4, 9. June 9, 1934.

Prices

Howell, L.D. Fluctuations in prices of cotton futures contracts. U. S. Dept. Agr. Tech. Bul. 423, 21pp., tables, charts. Washington, D. C. 1934.

"The results of this study...show that, for contracts bought and sold prior to the month of their maturity, the range in prices during the day equaled or exceeded 2 cents per pound only 19 times, or about 0.4 percent of the time, during the 16-year period 1917-18 to 1932-33. Fluctuations in prices above and also below the closing price on the previous day each exceeded 2 cents per pound only 6 times, or approximately 0.1 percent of the time...The range of prices during the day and fluctuations in prices above and below the closing price on the previous day increased progressively from the lower to the higher price-level

groups. Analyses of the data on the basis of graduated limits indicate that changes in the price level of cotton futures contracts were generally associated with corresponding proportional changes in prices during the day and during the week."-
Summary

Marketing and Handling Methods and Practices

Cotton merchants and brokers. Are they necessary in the trade? Textile Weekly 13(324): 317-318. May 18, 1934. (Published at 49 Deansgate, Manchester, England)

To be continued.

A debate at the Ashton Mill Managers' Association, April 13, 1934.

Cooperation in Marketing

Blalock, U. B. Twelve years of cooperative cotton marketing in N.C. N.C.Cotton Grower 13(6): 8. June, 1934. (Published by the North Carolina Cotton Growers Cooperative Association, Corner Fayetteville and Cabarrus, Raleigh, N.C.)

Kobs, A. E. Annual report of...general manager of OCGA. Okla.Cotton Grower 13(16): 2. June 15, 1934. (Published by Oklahoma Cotton Growers' Association, Oklahoma City, Okla.)

[Oklahoma cotton growers' association] Resolution unanimously adopted by fourteenth state convention. Okla.Cotton Grower 13(16): 3. June 15, 1934. (Published by Oklahoma Cotton Growers' Association, Oklahoma City, Okla.)

Resolutions include appreciation of the national administration and recommendations regarding Houston weights and additional classers.

UTILIZATION

Fiber, Yarn and Fabric Quality

Bancroft, W. D., and Calkin, J. B. The taking up of water by cellulose. Textile Research 4(8): 371-398, tables, charts. June, 1934. (Published by U. S. Institute for Textile Research, 65 Franklin St., Boston, Mass.)

Bibliography, pp.397-398.

"The amount of moisture absorbed by cotton from saturated water vapor (at 25° C.) has been determined in the correct way by approaching the equilibrium from both sides. The amount taken up from saturated water vapor by our sample of cotton was 27%."

Caine, Mustapha. Analysis and testing of cotton. Textile Recorder 52(614): 18,20, chart. May 15, 1934. (Published at 121 Deansgate, Manchester, England)
Tests of staple length, maturity, and hair weight per centimeter are described.

Clibbens, D. A., and Geake, A. The examination of mercerized hosiery yarns. Brit. Cotton Indus. Research Assoc. Shirley Inst. Mem. 12(5): 73-91, illus., charts. 1933. (Published by Shirley Institute, Didsbury, Manchester, England)
References, p.91.

Discusses deconvolution count, shrinkage diagram redyeing test, dyeing irregularities caused by chemical attack of the cotton, examination of abrupt shade changes, effects of variations in singeing (gassing).

Garvie, W. M., Griffiths, L. H., and Neale, S. M. The absorption of dyestuffs by cellulose. Part II. The influence of temperature. Trans. Faraday Soc. 30(2): 271-278, tables, charts. Feb. 1934. (Published by Gurney and Jackson, 33 Paternoster Row, London, England)

"The absorption by cotton and by sheet viscose of Chlorazol Fast Red K, Heliotrope 2B, and Chrysophenine G was measured over a range of solution concentrations, and temperatures from 25° to 100° C. For any one dye the rate at which equilibrium condition is approached is dependent chiefly upon the temperature, though this may be modified by the presence of a salt such as sodium chloride... For all the dyes so far studied, and probably for direct dyes in general, a rise in temperature causes an increase in the rate of absorption, corresponding to a decrease in the time for equilibrium to be attained. As the temperature of dyeing is raised, there is a marked decrease in the amount of dye present in the cellulose when the equilibrium is attained...Viscose sheet normally takes up more dye than cotton, but the difference decreases and is ultimately reversed when the absorption is reduced, either by raising the temperature or by reducing the amount of added electrolyte."- Jour. Textile Inst. 25(4): A200. Apr. 1934. Also noted in Chem. Abs. 28(8): 2539. Apr. 20, 1934.

Heim de Balsac, F., and Roehrich, O. Complément a la méthode d'appréciation des diverses qualités technologiques des fibres de coton: étude de la rigidité. Bulletin de l'Agence Générale des Colonies [France] 27(300): 421-433, charts, tables. Mar. 1934. (Published at 11, Rue Tronchet, Paris (8e) France)
"Travaux du Service d'Études des productions

coloniales".

Contribution to the method of valuation of the various technological qualities of the cotton fiber: study of rigidity.

Hess, Katharine, and Readhimer, Dorothy. A comparison of methods for determining the absorption of water by fabrics. Jour. Home Econ. 26(5): 298-303, illus., charts. May 1934. (Published by American Home Economics Association, Baltimore, Md.)

"Contribution No. 26 from the department of home economics, Kansas Agricultural Experiment Station."

Hunter, R.S. The glossmeter. An instrument for measuring the gloss, specular reflection and texture of surfaces. Rayon and Melliand Textile Mo. 15(6): June 1934. (Published by Rayon Publishing Corporation, 303 Fifth Ave., New York, N. Y.)

The prevention of mildew in cotton textiles. Fungicidal properties of Shirilan: Its uses in dyeing and finishing. Textile Mercury and Argus 90 (2353): 344. Apr. 20, 1934. (Published at 41 Spring Gardens, Manchester, England)

Shinoda, Ryo. The sorption of water vapour by acetyl-cellulose. Cellulose Indus. 10(5): 25-32, tables, charts. Mar. 1934. (Published by the Cellulose Institute, Department of Applied Chemistry, Faculty of Engineering, Tokyo Imperial University, Tokyo, Japan)

Abstracts from the transactions.

Staudinger, H. Uber die konstitution der cellulose. Chemiker-Zeitung 58(14): 145-148, table. Feb. 17, 1934. (Published at Kothen, Germany)

The constitution of cellulose.

Trillat, J. J. Sur le polymorphisme de certains dérivés de la cellulose. Journal de Physique et le Radium 7(5): 8S-10S. Jan. 1934. (Published by La Société Française de Physique, Paris, France)

"Nitrocellulose films were deposited on glass from various solvents and their behaviour during drying studied by X-ray spectrography. As drying proceeds, a crystalline structure appears which is finally the same as that of the original nitrated cotton used to prepare the film. The primitive swollen network of the solvent disappears with successive contractions as the solvent evaporates, and the phenomena occurring during drying can be attributed to the formation of addition compounds with the solvent. With less nitrated cottons, the phenomena

are less distinct."--Jour.Textile Inst.25(4): A212. Apr.1934.

[United States institute for textile research] Sizing of cotton and rayon warps. Summary of conference discussion; the problem for initial research. Textile Research 4(8): 363-370. June 1934. (Published by U.S.Institute for Textile Research, 65 Franklin St., Boston, Mass.)

Report of meeting held in New York City, May 11, 1934.

The problem recommended for initial research was: "The properties of sizing materials and films in relation to the properties of yarns and fabrics, and to the problem of desizing."

Also in Rayon and Melliand Textile Mo.15(6): 287-289. June 1934; and in the American Silk and Rayon Jour.53(6): 56. June 1934.

Unshrinkable cotton fabrics--The Rigmel process. Soc. Dyers and Colourists Jour.50(2): 50-51. Feb.1934. (Published at Bradford, England)

Technology of Manufacture

Beck, Anton. Wie erreicht man in der baumwollspinnerei möglichst reine kardenbänder? Spinner und Weber 52(23): 1-3, illus. June 8, 1934. (Published at Gellertstrasse 7/9, Leipzig, Germany)

How does one obtain, in the cotton spinning factory, as clean card sliver as possible?

Dunlap, G.H. Corn leads carding division in an interesting discussion meeting. Cotton [Atlanta] 98(6): 59-61. June 1934. (Published by W.R.C. Smith Publishing Co., Atlanta, Ga.)

Report of the discussion lead by J.O.Corn at the meeting of the Carding Division, Southern Textile Association, Greenville, S.C., May 19,1934.

Subjects discussed included: methods of opening and blending; results with one-process picking; further experiences with spraying oil; card grinding; doffer speeds; methods of determining even roving.

Brief summary of the discussion also in Textile World 84(7): 1264-1265. June 1934.

Engels, F. The uniformity of cotton scutcher laps. Textile Manfr.60(712): 157,160. Apr.1934. (Published at 65 King St., Manchester, England)

"An inherent potential defect of the ordinary pedal regulator of the cotton scutcher is described."

Howell, J.W. Lighting in the cotton industry. I. Controlled illumination as a factor in modern spinning room efficiency. Textile Mercury and Argus 90(2354): 365,367. Apr.27,1934. (Published at 41 Spring Gardens, Manchester, England)

Howell, J.W. Lighting in the cotton industry. II. Obsolete system slows up production and impairs cloth quality. Textile Mercury and Argus 90 (2355): 387-388. May 4, 1934. (Published at 41 Spring Gardens, Manchester, England)

Ratcliffe, Alan. Combed cotton yarns and combing. Textile Manfr.60(711): 100-101, illus. Mar.1934. (Published by Emmott and Co., Ltd., 31, King St., West, Manchester, England)

"Practical details and routine in control of combers with particular reference to the Heilmann comb, of which information based on experience has been lacking."

Thomas, J.O. Greensboro meeting considers safety, lubrication and mill problems. Cotton [Atlanta] 93(6): 55-58. June 1934. (Published by W.R.C. Smith Publishing Co., Atlanta, Ga.)

Summary of meeting of the Northern North Carolina-Virginia Division of the Southern Textile Association, held at the King Cotton Hotel, Greensboro, N.C., May 26.

Technology of Consumption

Bruner, Esther, and Roberts, S.H. Qualities of percale obtained on the market compared with the government specifications. Jour. of Home Econ.26 (5): 286-287. May 1934. (Published by American Home Economics Association, Baltimore, Md.)

"Contribution No.27, Department of Home Economics Kansas Agricultural Experiment Station."

Six pieces of percale, guaranteed by the retailer to meet government specifications, were compared with seven pieces not so guaranteed. "The fabrics supposed to have been sold under the Certification Plan did not meet the specifications of the Bureau of Standards for percales purchased by the government and were of no better quality or appearance than the other comparable materials analyzed." It was noted that there was no relation between breaking strength of the fabric and number of threads per inch.

Krassner, Frederick. Textiles in the navy. Amer. Dyestuff Rptr.23(11): 279-282. May 21,1934. (Published at 440 Fourth Ave., New York, N.Y.)

"It will be the purpose of this article to discuss some of the aspects of the clothing problem, the enlisted personnel of the Navy, and the procurement of such textile items as are needed for their comfort and well being. Some of the scientific methods used in evaluating the foregoing, will be outlined, as well as the general contributions that are being made to science and industry in this field."

The miracles of chemistry. Pop. Mechanics 61(4): 506-509, illus. Apr. 1934. (Published at 200 E. Ontario St., Chicago, Ill.)

Refers briefly to paving blocks reinforced with cotton, and to cotton made of glass. "The owner of the process has tested glass cotton in standard textile looms and succeeded in weaving fine, durable soft cloth out of it."

SEED AND SEED PRODUCTS

Cottonseed prices fixed, says F.T.C. Three associations alleged to have conspired to bar competition. Oil, Paint and Drug Rptr. 125(21): 19,29. June 11, 1934. (Published at 12 Gold St., New York, N.Y.)

Extracts from complaint issued by Federal Trade Commission against the National Cottonseed Products Association, the Texas Cottonseed Crushers Association, and the Oklahoma Cottonseed Crushers Association.

Kilgore, L. B. Effect of salt upon oil spoilage in emulsions. Oil and Soap 11(4): 72-73, tables. Apr. 1934. (Published by Gillette Publishing Co., 400 West Madison St., Chicago, Ill.)

Cottonseed oil was used for the experiments.

Mullen, C. W. Beef from cotton seed & grain sorghums. Okla. Farmer-Stockman 47(11): 260. June 1, 1934. (Published by Oklahoma Publishing Co., Oklahoma City, Okla.)

"Feeding experiments recently completed at the Spur Experiment Station, Texas, have brought to light at least three things that are of importance to farmers who may be in a position to feed a few head of cattle. Cottonseed as compared with cottonseed meal can be fed to steers with an advantage in favor of the cottonseed at prices lately prevailing...Cottonseed can be used to replace part of the milo heads in a ration if grain is short."

[National cottonseed products association, inc.]

Cottonseed products men reform rules. National

association convention decides to confine activity to mill men. Oil, Paint and Drug Rptr. 125(21): 21, 48B. June 11, 1934. (Published at 12 Gold St., New York, N. Y.)

Report of convention held June 4-5, 1934, in New Orleans, La.

LEGISLATION, REGULATION, AND ADJUDICATION

Arkansas-Missouri ginners' association rejects changed marketing agreement. Amer. Ginner and Cotton Oil Miller 11(10): 4,6. June 1934. (Published at 14 Cotton Exchange Bldg., Little Rock, Ark.)

Contains resolutions adopted at annual convention of Arkansas-Missouri Cotton Ginners' Association, June 12 and 13, 1934, at Hot Springs, Ark., relating to the marketing agreement, ginning charges, and collection of the tax under the Bankhead Act.

[Anderson, Clayton & Co.] The Bankhead bill. An analysis. Cotton and Cotton Oil News 35(24): 7,11. June 16, 1934. (Published at Dallas, Tex.) Reprinted from Acco Press.

Boyle, J. E. Regimented cotton farming at work. Uncle Sam's double-barreled cotton program. Barron's 14(26): 3,12. June 25, 1934. (Published at 44 Broad St., New York, N.Y.)

A discussion of the Government's cotton program in the South which the writer, after a first-hand study of the situation, regards with the "deepest apprehension." The last paragraph of the article is as follows: "The farmers had no voice in this bill. It is a bill to relieve politicians. This Act, as I see it in terms of human life, tends to make the small land owner tenant, and to drive the tenant off the land - and hence to lower the already low standard of living in the South."

Cotton wages agreement bill. Full text of proposals. Manchester Chamber of Com.Mo.Rec.45(5): 142-144. May 31, 1934. (Published by J. E. Cornish, Ltd., 1, Ridgfield, Manchester, England)

Dowdle, L. P. The Smith Kleberg bill (S.3203 and H.R.8050). 23pp., tables, charts. Washington, D.C., American institute of home grown fats and oils, [1934]

Discusses the proposed bill restricting the importation of foreign fats and oils.

Ginners have the right to expect fair play! Cotton and Cotton Oil News 35(24): 3-4, 13. June 16, 1934.

(Published at Dallas, Tex.)

Contains resolutions presented to the Agricultural Adjustment Administration by the directors of the Texas Cotton Ginners' Association and by Arkansas and Missouri cotton ginners regarding the omission from the proposed marketing agreement of Section 2, Article IV relating to rates for ginning.

Hall, O.D. Regulation for ginners under the Bankhead bill. Amer. Ginner and Cotton Oil Miller 11(10): 6,11. June 1934. (Published at 14 Cotton Exchange Bldg., Little Rock, Ark.)

"Notes from address...at Arkansas-Missouri Ginners' convention."

[India. Department of education, health and lands] Amendment in rules governing the import of American cotton into British India. Indian Trade Jour. 113 (1451): 116. Apr.12,1934. (Published at Calcutta, India)

Notification No.F-398/33-A, dated April 5, 1934, issued by the Department, reduces the rates for fumigating round and square bales.

[India. Finance department] Import of certain cotton piecegoods from Japan: Japanese export certificates compulsory. Indian Trade Jour.113 (1452): 227. Apr.19,1934. (Published at Calcutta, India)

Notification No.19-Customs, dated April 11, 1934, is given.

McBride, E. L. The Bankhead bill. Current Farm Econ. (ser.49) 7(3): 44-45. June 1934. (Published by Oklahoma Agricultural Experiment Station, Stillwater, Okla.)

Brief explanation of the act.

Mill curtailment to begin June 4. Textile Bull.46(14): 3. May 31,1934. (Published by Clark Publishing Co., 118 West Fourth St., Charlotte, N.C.)

Contains full text of order of the Code Authority under the code of fair competition for the Cotton Textile Industry.

Mississippi-Louisiana gov't hearing on ginners' Marketing agreement. Cotton and Cotton Oil News 35(25): 12. June 23, 1934. (Published at Dallas, Tex.)

Brief report of meeting held June 15 and 16 at Vicksburg, Miss. Action taken by various states opposing the ginners' marketing agreement is noted.

Netherland East Indies. Temporary import restric-

tions on certain textiles. Indian Trade Jour. 113(1451): 118-119. Apr.12,1934. (Published at Calcutta, India)

"The Commercial Agent at Batavia has forwarded a translation of the 'Crisis Textile Import Ordinance, 1934, dated February 6 and in force on February 14, which lays down that during a period of three months commencing on the latter date the import into Netherland East Indies of cotton and artificial silk sarongs, kains pandjang and loerik woven goods, etc., in total quantities exceeding those stated separately for each category below, is prohibited." Quantities permitted are given.

Oklahoma cotton ginners to join Texas, Arkansas and Missouri opposing recent imcomplete marketing agreement. Cotton and Cotton Oil News 35(25): 9. June 23, 1934. (Published at Dallas, Tex.)

Gives resolutions passed by the Oklahoma Cotton Ginners' Association opposing the marketing agreement and opposing the appointment by the Collector of Internal Revenue of ginners as agents authorized to collect the tax under the Bankhead Act.

Oklahoma supreme court renders important ginning rate decision. Cotton and Cotton Oil News 35(25): 4. June 23, 1934. (Published at Dallas, Tex.)

"An order of the State Corporation Commission fixing cotton ginning rates for 1933-34 was set aside June 19 by the Oklahoma Supreme Court as 'inadequate' for ginners in many sections of the State...Under the Commission's order, ginners could not charge more than twenty cents per 100 pounds for picked cotton, twenty-two and one-half cents for bollies and snaps, and from ninety cents to \$1 for bagging and ties."

[Portugal. Direcçao geral do comercio e industria] Decreto No.23,794. Diario do Governo (ser.1)(95): 538-540. Apr.24,1934. (Published at Lisbon, Portugal)

The decree includes regulations governing transactions in cotton at produce exchanges.

Processing tax on bags abated. Cotton Digest 6(37): 9. June 23,1934. (Published at Cotton Exchange Bldg., Houston, Tex.)

Announcement of the termination of the processing tax on large sized cotton bags and the compensatory tax on jute fabrics and paper used in the manufacture of bags.

Richardson, T. C. Get behind S. J. Res. No. 87. Farm

and Ranch 53(11): 22. June 1, 1934. (Published at 3306 Main St., Dallas, Tex.)

The author urges passage of Senate Joint Resolution No. 87 to establish a Cotton Co-ordinating Fact Finding Commission to co-ordinate the cotton research and policy of the United States.

[Texas cotton ginners association] Resolution on the Bankhead bill. Cotton and Cotton Oil News 35(24): 9. June 16, 1934. (Published at Dallas, Tex.)

Resolution passed by Board of Directors of the Texas Cotton Ginners' Association in session in Dallas, June 11, 1934, requesting repeal of the Bankhead Act.

Three cotton cloth mill curtailment exemptions denied. Textile Bull. 46(17): 5-6. June 21, 1934. (Published by Clark Publishing Co., 118 West Fourth St., Charlotte, N.C.)

Announcement that the National Recovery Administration had denied three applications for exemption from the provisions of the administrative order of May 22, temporarily curtailing by 25 percent the operation of productive machinery in the cotton textile industry.

U. S. Department of agriculture. Agricultural adjustment administration. Crop insurance features of agricultural adjustment programs. 5pp. Washington, D.C. 1934.

"Definite income assured cooperating cotton growers," pp. 4-5,

U. S. Department of agriculture. Agricultural adjustment administration. Proposed amended marketing agreement for the cotton ginning industry with exhibits. 21pp., mimeogr. Washington, D.C. 1934.

Docket No. 184A--184L.

Excerpts in Cotton Ginners' Jour. 5(9): 7, 9-11, 13-15, 18-19, 22. June 1934.

What will the maximum ginning rate be? Cotton Ginners' Jour. 5(9): 5, 16-17. June, 1934. (Published by Texas Cotton Ginners' Association, 109 Second Ave., Dallas, Tex.)

A letter from the Texas Cotton Ginners' Association to the Agricultural Adjustment Administration is included.

Whittam, William. The U.S. cotton situation. The cotton control [Bankhead] act. Textile Recorder 52(614): 17. May 15, 1934. (Published at 121 Deansgate, Manchester, England)

MISCELLANEOUS--GENERAL

Arkansas. Agricultural experiment station. Summary of research, 1887-1933. Forty-fifth annual report. Ark.Agr.Expt. Sta.Bull.297, 126pp., illus., tables. Fayetteville. 1934.

Cotton, pp.9-41. The following topics are discussed: Selecting varieties and improving quality of cotton; comparative grade and staple length of cotton; insects and their control; diseases of cotton; financing cotton production; cotton marketing.

The Callaway mill's new management program and vocational school. Cotton 98(6): 39-42. June 1934. (Published by W.R.C.Smith Publishing Co., Atlanta, Ga.)

"An important and progressive change in manufacturing management policy by the Callaway Mills is outlined in brief. Also, the vocational school which this organization is starting for their employees, an especially interesting development, is described."

Clark, David. Some facts about the cotton and the cotton textile industry. Textile Bull.46(15): 4, 12. June 7, 1934. (Published by Clark Publishing Co., 118 West Fourth St., Charlotte, N.C.)

Address before Kiwanis Club of Belmont, N.C.

Gives a brief survey of the history of the cotton industry in this country, including date of first shipment to England, date of first mill, and increase in number of spindles.

[Clayton, W.L.] Cotton policy. Cotton Digest 6(34): 8-9. June 2, 1934. (Published at 703 Cotton Exchange Bldg., Houston, Tex.)

Digest of the paper on "What our national cotton policy should be", submitted by W.L.Clayton to the commission of inquiry on national policy in international economic relations which met in Houston on May 7, 1934.

Also in Oil Miller and Cotton Ginner 44(4): 5. June 1934. Summary in Cotton Trade Jour.14(23): 2. June 9, 1934.

Fornasaro, F. Nocoos geraes sobre o algodao. Cultura--beneficiamento--classificacao commercial e industrial. Boletim de Agricultura [Sao Paulo] 33a (1): 598-619. 1932. (Published by Directoria de Publicidade, Secretaria da Agricultura, Industria e Commercio, Sao Paulo, Brazil)

Lecture ideas about cotton. Culture--benefits--commercial and industrial classification.

India. Indian central cotton committee, Bombay. Annual report...for the year ending 31st August 1932. 136pp., tables. Bombay, G. Claridge & Co., Ltd., 1933.

Contains, besides the report of the Committee, the annual report of the director, Technological Laboratory; annual report of the director, Institute of Plant Industry, Indore; statement of raw cotton consumption in Indian mills; enquiry into the cotton textile industry; use of long-staple cotton by Indian mills; Central Provinces cotton market act; Madras cotton control act--notifications and rules; progress in the introduction of improved varieties of cotton.

India. Punjab. Department of agriculture. Report on the operations of the Department...for the year ending 30th June 1933. Part I. 60pp. Lahore, 1934.

Cotton references: Season, pure line plots, tests, irrigation, manures, root rot, pests, improved cottons, prices, administration of the Cotton ginning and pressing factories act, 1925, Provincial cotton committee, pp. 11-14, 29, 35, 51-52, 60.

Ousley, Clarence. Long range view of gin and mill problems. Cotton and Cotton Oil News 35(22): 4-5. June 2, 1934. (Published by Ginner and Miller Publishing Co., P.O. Box 444, Dallas, Tex.)

Synopsis of address to "the National Oil Mill Superintendents' Convention at Shreveport, La., May 30", 1934.

The author discusses government policies as they affect ginning and oil milling.

[Parker, Walter] Safeguarding the economic life of the people of the United States. Cotton and Cotton Oil News 35(23): 12-13. June 9, 1934. (Published at Dallas, Tex.)

An analysis of "what has happened and why, as a basis upon which to build a program of action" for the future of the cotton industry.

Sloan, G. A. Industrial stability and the public interest. Textile Bull. 46(16): 3, 18. June 14, 1934. (Published by Clark Publishing Co., 118 West Fourth St., Charlotte, N.C.)

Also in Amer. Wool and Cotton Rptr. 48(24): 19, 21. June 14, 1934.

Some thoughts on "the training of men for the textile industry." Cotton [Atlanta] 98(5): 51-53. May 1934. (Published by W.R.C. Smith Publishing

Co., Atlanta, Ga.)

Criticism of, and thoughts suggested by, the recent report of the Education Committee of the Textile Foundation.

[Southern textile association. Northern North Carolina-Virginia Division.] Varied program features meeting of Northern N.C.-Virginia Division. Textile Bull. 46 (14): 4-8. May 31, 1934. (Published by Clark Publishing Co., 118 West Fourth St., Charlotte, N.C.)

To be continued.

Report of meeting at Greensboro, N.C., May 26, 1934.

Textile institute annual conference. Shirley institute receives the Warner medal (1934). Textile Weekly 13(326): 359. June 1, 1934. (Published at 49 Deansgate, Manchester, England)

Brief report of meeting held May 24, 1934.

Young, A. P. Industrial leadership. Textile Weekly 13(326): 360-361, chart, June 1, 1934. (Published at 49 Deansgate, Manchester, England)

Abstract of Mather lecture, 1934, read at the Textile Institute Annual Conference May 25, 1934.

To be continued.

"Scientific minds will demolish barriers, co-operation replace individualism and function through teamwork and service in the making of things and the making of men. The cotton industry must re-discover its soul to serve humanity: Nationalism will pass. And the Brotherhood of Man survive all things in a new era."

C O T T O N R E P O R T S

ISSUED CURRENTLY BY
UNITED STATES GOVERNMENT DEPARTMENTS

U.S. Department of Agriculture, Bureau of Agricultural Economics

Crop Reports (Summarized in Crops and Markets, which is issued monthly):
to be issued Aug.8, Sept.8, Oct.8, Nov.8, Dec.8, 1934.

Grade and Staple Reports:

Grade, Staple Length and Tenderability of Cotton Ginned in the United States: to be issued Nov.2, Dec.1, 1934; Jan.4, Apr.12, 1935.

Weekly Grade and Staple Summary: issued Saturdays during height of ginning season, at Washington.

Weekly Grade and Staple Reports: issued Saturdays during height of ginning season, at Atlanta, Ga.; Memphis, Tenn.; Dallas, Austin, and El Paso, Tex.

Market News Reports:

American Cotton Linters Price Report: issued Wednesdays.

Daily Official Report of the Designated Spot Cotton Markets: issued from Atlanta, Ga.

Staple Cotton Premiums: issued daily and weekly (Saturday) from Atlanta, Ga.

Cotton Market Review: issued Saturdays, at Washington, D.C., Atlanta, Ga., and Memphis, Tenn.

World Cotton Prospects: issued monthly.

U.S. Department of Commerce, Bureau of the Census

Activity in the Cotton Spinning Industry: issued monthly, about the 20th.
Cotton Consumed, on Hand, Imported and Exported, and Active Cotton Spindles: issued monthly, about the 14th.

Cottonseed Received, Crushed, and on Hand, and Cottonseed Products Manufactured, Shipped out, on Hand and Exported: issued monthly, about the 10th.

Report on Cotton Ginnings: reports on 1934 crop to be issued Aug.8, Aug. 23, Sept. 8, Sept. 24, Oct. 8, Oct. 25, Nov. 8, Nov. 21, Dec. 8, Dec.20, 1934; Jan.23, Mar.20, 1935.

U.S. Department of Commerce, Bureau of Foreign and Domestic Commerce

Textile Raw Materials: issued weekly.

Textiles and Allied Products: issued weekly.